



Title II, Part B of President Bush's No Child Left Behind Act

Mathematics and Science Partnerships Program

**Technical Assistance Workshop for
Competitive Grants Application**

January 26, 2004

Office of Public Instruction



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TIMELINE

- January 15, 2004.....Applications posted on OPI Web site and
statewide dissemination
- January 26, 2004.....Applicant Teleconference Noon – 2:00 p.m.
(METNET)
- March 3, 2004.....Applications postmarked by this date or received
by the OPI by 5:00 p.m.
- March 16, 2004.....Applications reviewed at the OPI

This is a federal program and sub-grant reporting dates and requirements are subject to change as federal requirements change.



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TIMELINE

March 24, 2004..... Grant Awards Announced

June 1, 2004..... Project funds become available to awardees

June 22, 2004.....Mandatory Project Director and Partner Meeting
(Expenses to be included in Proposed Budget)

September 30, 2005.....All funds must be obligated

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Purpose

To increase *student academic achievement* by

- Encouraging State Education Agencies, institutions of higher education, local education agencies, elementary schools, and secondary schools to participate in programs that improve instruction and upgrade the status and stature of mathematics and science teaching.



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Eligible Partners Must Include

- At least one K-12 high-need local or regional school district ; and
- An engineering, mathematics, or science department of an institution of higher education



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Eligible Partners May Include

- Another engineering, mathematics, science, or teacher education department of an institution of higher education;
- Local education agencies, public or private elementary, middle, or secondary schools or a consortium of such schools;



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Eligible Partners May Include

- A business; or
- A nonprofit or for-profit organization of demonstrated effectiveness in improving the quality of mathematics and science teachers.



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The Math and Science Partnership (MSP) program

- Is designed to strengthen K-12 science and mathematics education;
- Promotes a vision of education as a continuum that begins with our youngest learners and progresses through adulthood;
- Supports partnerships that unite K-12 schools, institutions of higher education and other stakeholders to improve achievement for all learners



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Proposal Requirements

- Evidence of meaningful partnerships
- Needs Assessment
- Project Plan that Meets Identified Needs
- Research Based
- Evaluation and Accountability Plan
- Sustainability



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Examples of appropriate activities:

- develop or redesign more rigorous math and science curricula;
- provide professional development for teachers designed to improve their subject knowledge;
- promote strong teaching skills that include those based on scientific research and technology-based teaching methods;



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- operate summer workshops or institutes;
- recruit math, science, and engineering majors into teaching;
- establish distance learning programs;
- design programs to prepare teachers to mentor other teachers



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- bring math and science teachers into contact with working scientists, mathematicians, and engineers;
- identify and develop exemplary math and science teachers in kindergarten through grade 8 classrooms;



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- develop programs to encourage young women, American Indians, and other under representative individuals in mathematics and science careers to pursue postsecondary degrees leading to such careers.



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Definitions

- Highly Qualified Teacher
- Professional Development
- Scientifically Based Research
- High Need School District
- Summer Workshop or Institute



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Application Format

- Application narrative may not exceed 20 pages, not including the appendix;
- Must be double-spaced; and
- Font size must not be smaller than 12 point



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Application Elements

- **Cover Page (Appendix A)**
- **Assurances (Appendix B)**
- **Partnership Agreements (Appendix C)**
- **Results of Needs Assessment**
- **Abstract (250 word limit)**



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Application Elements

- **Project Narrative & Timeline (10 page limit)**
 - Needs Addressed
 - Program Goals and Objectives
 - Program Activities
 - Qualifications of Program Personnel
 - Institutional Capacity



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Application Elements

- **Project Narrative & Timeline (continued)**
 - Follow-up Activities
 - Coordination with Existing Programs and Initiatives
 - Research Base to Support Project
- **References**



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Application Elements

- **Description Alignment to State Content and Professional Development Standards**
- **Evaluation and Accountability Plan**
- **Budget (Appendix D)**
- **Budget Narrative**

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Sources of additional information

- ◆ **Grant Application:**
 - ◆ www.opi.state.mt.us/accreditation/msp
- ◆ **Full text of the law:**
 - ◆ <http://www.ed.gov/legislation/ESEA02/>
- ◆ **Title II, Part B Guidance from the U.S . Department of Education:**
 - ◆ <http://www.ed.gov/offices/OESE/SIP/TitleIIguidance2002.doc>



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